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COMPUTER OPERATION MANUAL FOR MACCS DATA SYSTEM. (U)  
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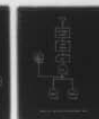
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# COMPUTER OPERATION MANUAL FOR MACCS DATA SYSTEM

December 1974

Prepared for  
COMMANDANT OF THE MARINE CORPS  
DEPARTMENT OF THE NAVY  
under Contract M00027-74-C-0099

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FOR  
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## TABLE OF CONTENTS

		Page
SECTION 1	GENERAL DESCRIPTION	1
1.1	Purpose of Computer Operation Manual	1
1.2	System Application	1
1.3	System Operation	1
1.4	Program Inventory	1
SECTION 2	SYSTEM CONTROL	2
2.1	Control Requirements	2
2.2	Control Forms	2
2.3	Phasing	2
2.4	Data Retention Schedules	2
SECTION 3	OPERATING PROCEDURES	2
3.1	EDP Tasks	2
3.1.1	Equipment Configuration	2
3.1.2	Input Materials	2
3.1.3	Output Expected	3
3.1.4	Procedures	3

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## Section 1. GENERAL DESCRIPTION

### 1.1 PURPOSE OF COMPUTER OPERATION MANUAL

The objective of this Computer Operation Manual for MACCS DATA is to provide computer control and computer operator personnel with a detailed operational description of the system and its associated environment with which they will be concerned during the performance of their duties.

### 1.2 SYSTEM APPLICATION

The purpose of the MACCS DATA System is to provide failure and maintenance information on the AN/TYQ-1, AN/TYQ-2, AN/TYQ-3, and AN/TPS-32 systems. All input to the computer operator personnel will be in the form of cards and magnetic tape. Output will consist of tapes and printer listings.

### 1.3 SYSTEM OPERATION

The MACCS DATA System consists of the three procedures NEWFMR, OPHRRS, and PQUPDT. Figures 1-1, 1-2, and 1-3 describe respectively the operation of these procedures.

### 1.4 PROGRAM INVENTORY

The list below is an inventory of the programs that comprise the MACCS DATA system.

Program Name	Procedure Name	Job # of Procedure	Est. time of run
CDTAPE	NEWFMR	1	2 min.
SRTCTS	NEWFMR	2	2 min.
ERRCHK	NEWFMR	3	3 min.
SRTCT3	NEWFMR	4	2 min.
PRTCHK	NEWFMR	5	3 min.
SRTCT4	NEWFMR	6	2 min.
FSNCHK	NEWFMR	7	3 min.
EDTAPE	NEWFMR	8	4 min.
MRGSRT	NEWFMR	9	2 min.
LSTAPE	NEWFMR	10	12 min.
CDTAPE	OPHRRS	1	2 min.
MRGHRS	OPHRRS	2	2 min.
EDTAPE	OPHRRS	3	4 min.
CDTAPE	PQUPDT	1	2 min.
MRGPQ3	PQUPDT	2	2 min.
MRGPQ4	PQUPDT	3	2 min.
EDTAPE	PQUPDT	4	4 min.

## Section 2. SYSTEM CONTROL

### 2.1 CONTROL REQUIREMENTS

The three procedures in MACCS DATA conform to the following conditions

- A. Processing Cycle: Periodic
- B. Input: Card and tape inputs as well as the necessary tape labels are placed with the source decks.
- C. Control: No library is used; security is UNCLASSIFIED.
- D. Data Preparation: N/A
- E. Forms: See Figures 2-1 and 2-2.
- F. Preliminary Processing: N/A
- G. Quality Control: N/A
- H. Output Disposition: Return to the user.
- I. Input Disposition: Return to the user.

### 2.2 CONTROL FORMS

See Figures 2-1, 2-2, and 2-3.

### 2.3 PHASING

Each set of cards and tapes presented to the operator personnel will be complete and involve no other procedures.

### 2.4 DATA RETENTION SCHEDULES

All outputs will be returned to the user and hence data retention is not required.

## Section 3. OPERATING PROCEDURES

### 3.1 EDP TASKS

All necessary procedure descriptions will be provided for each job run on the forms shown in Figures 2-1 and 2-2.

#### 3.1.1 Equipment Configuration

- IBM System 370/135/DOS (equipped with Sort/Merge feature)
- Disk pack
- Four tape drives
- Card Reader
- 1403 Line Printer

#### 3.1.2 Input Materials

All input will be in the form of punched cards (80/80) and/or magnetic tapes (80/2000).



### 3.1.3 Output Expected

All output will consist of magnetic tape (80/2000) and/or printer listings.

### 3.1.4 Procedures

No unusual procedures are required by MACCS DATA. Operator action will be confined to 1) loading tapes and cards prior to program runs; 2) unloading and labeling new tapes after runs (see Figure 2-3); and 3) providing dumps of specified tape drives.



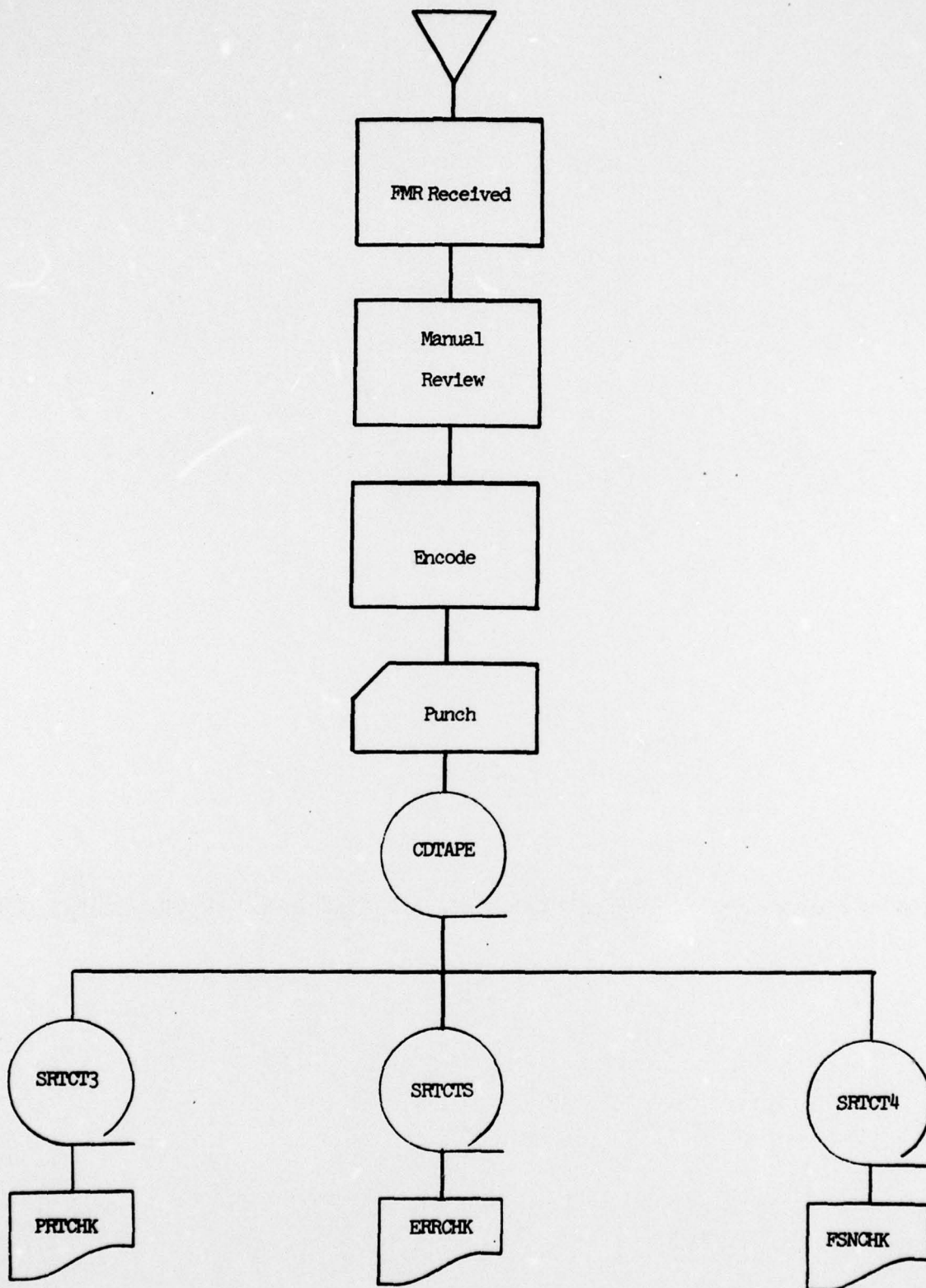


Figure 1-1a. Logic Flow of Procedure NEWFMR: Phase 1

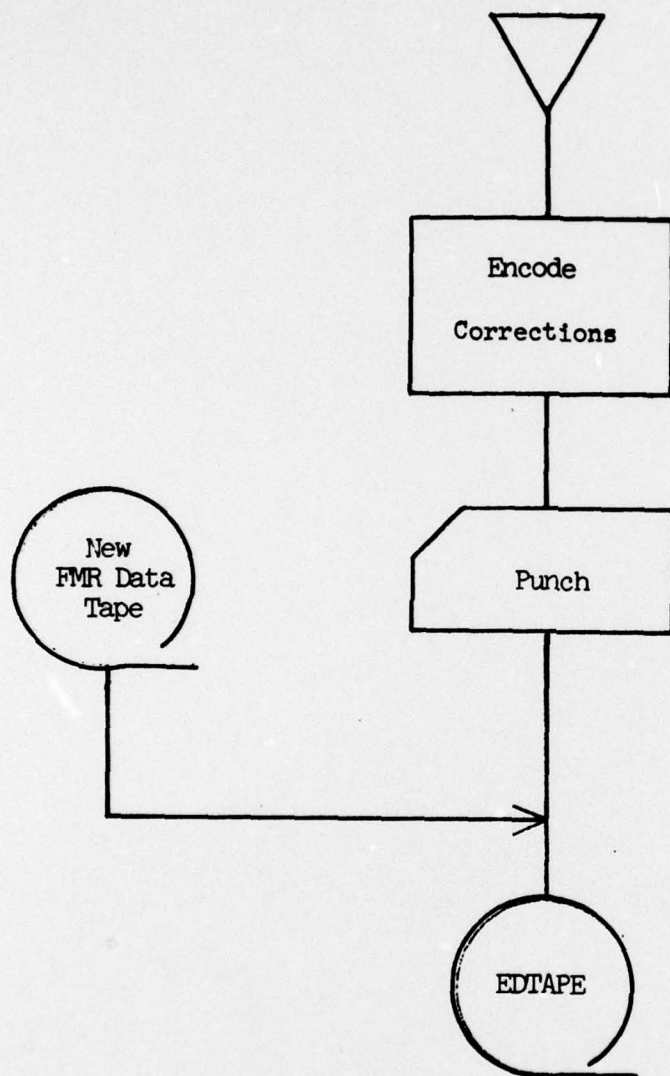


Figure 1-1b. Logic Flow of Procedure NEWFMR: Phase 2

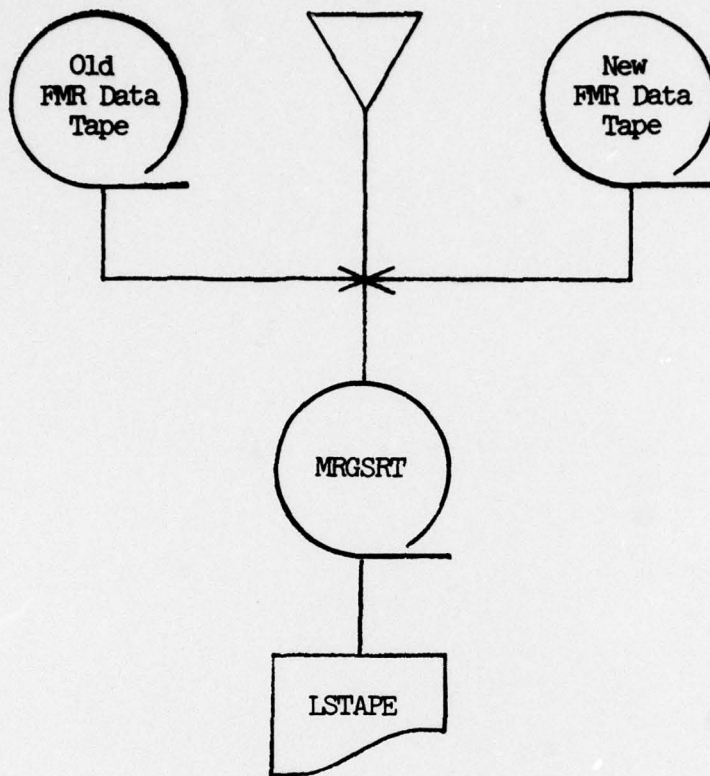


Figure 1-1c. Logic Flow of Procedure NEWFMR: Phase 3



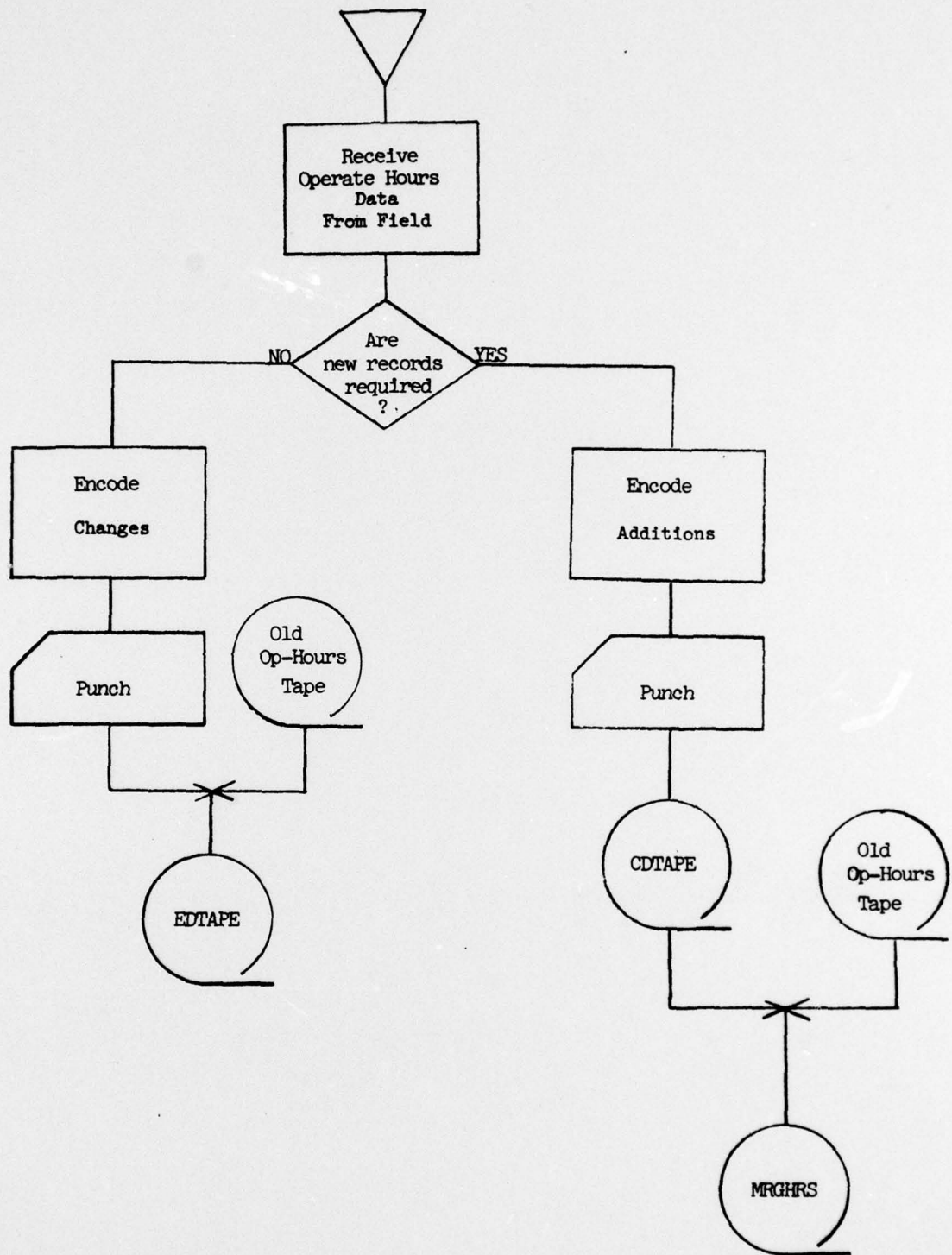


Figure 1-2. Logic Flow of Procedure OPHRRS



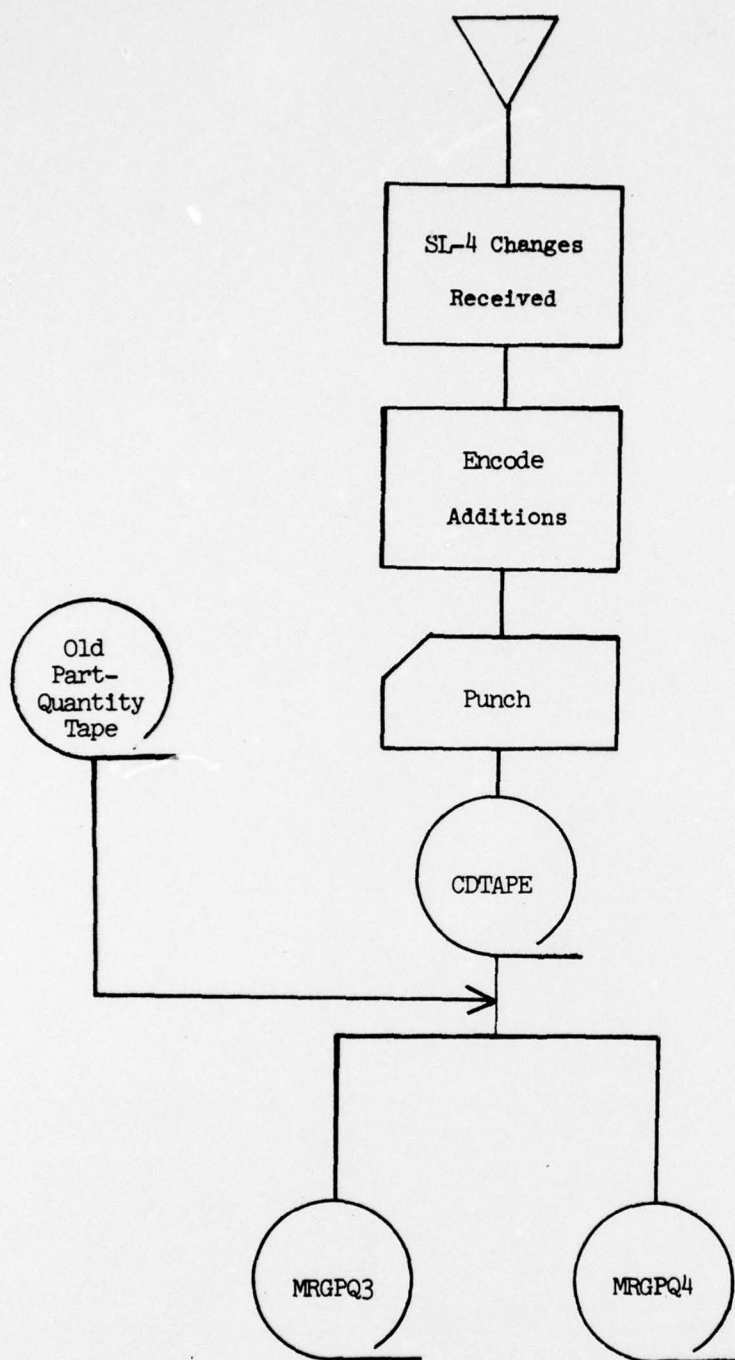


Figure 1-3a. Logic Flow of Procedure PQUPDT: Phase 1

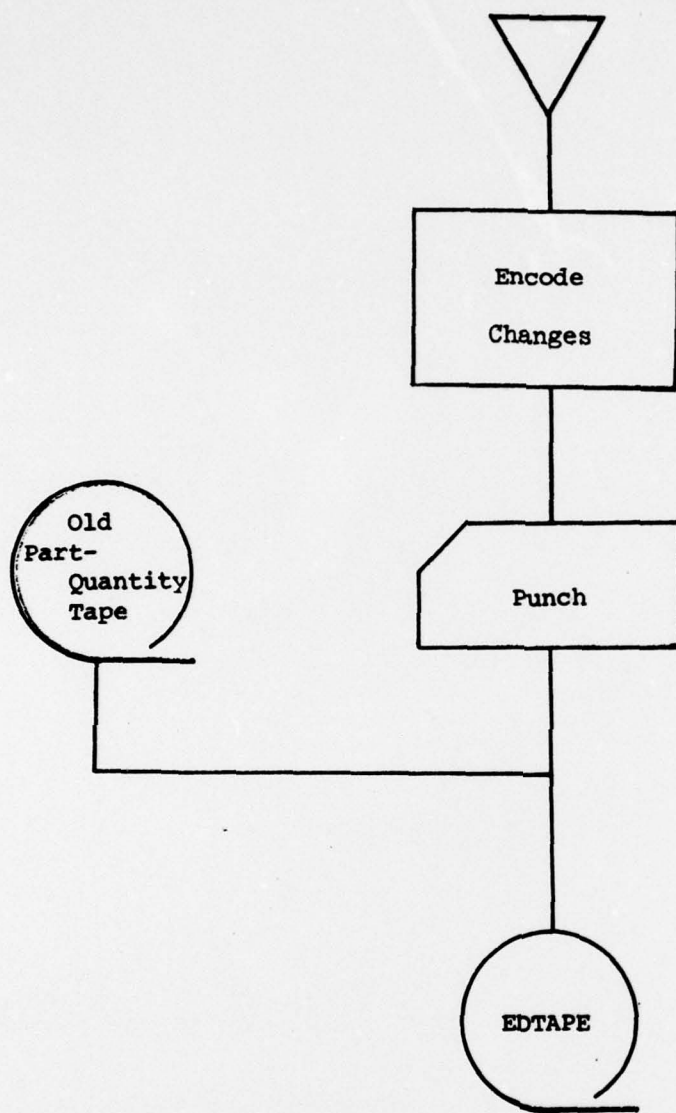


Figure 1-3b. Logic Flow of Procedure PQUPDT: Phase 2

DPO COMPILE/REQUEST FORM							
NAME				CHARGE NBR.			
JOB							
COMPILE		TEST		FLOW CHART ATTACHED			
INPUT		OUTPUT		PAPER			
CARD		PRINT		NBR. PARTS			
DISK		PUNCH		SIZE			
TAPE		TAPE		OTHER:			
TAPE OR DISK UNITS REQUIRED							
UNIT NBR							
REEL OR PACK NBR.							
SAVE							
COMMENTS:							
DATE REQUESTED		DATE REQUIRED		EST. RUN TIME		MAX. TIME	
SCHEDULED							
DATE	FROM		TO		RUN NBR.		
RUN							
DATE	START	COMPL.	RUN TIME	OPER.			

Figure 2-1. DPO Compile/Request Form

# REQUEST FOR DATA PROCESSING SERVICES

① REQUESTED BY \_\_\_\_\_ DPT./GRP. \_\_\_\_\_ EXT. \_\_\_\_\_

REQUEST DATE \_\_\_\_/\_\_\_\_/\_\_\_\_ DATE REQUIRED \_\_\_\_/\_\_\_\_/\_\_\_\_

DO NOT USE THIS SPACE

REQ. NO. \_\_\_\_\_

RECEIVED IN D. P.

\_\_\_\_\_ HOUR \_\_\_\_\_

\_\_\_\_\_ DATE \_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_\_ BY \_\_\_\_\_

② JOB NAME \_\_\_\_\_

INPUT: SOURCE \_\_\_\_\_

CONTROLS \_\_\_\_\_

OUTPUT: NO. COPIES \_\_\_\_\_ PAPER SIZE \_\_\_\_\_ DISPOSITION \_\_\_\_\_

SPECIAL CONDITIONS \_\_\_\_\_

③ CHARGE TO: ACCOUNT NO. \_\_\_\_\_ ARINC  
or PROJECT / WORK ORDER NO. \_\_\_\_\_ RESEARCH

APPROVED \_\_\_\_\_ AUTHORIZED SIGNATURE \_\_\_\_\_

DO NOT USE THIS SPACE

CUSTOMER CHARGE NO.

④ REMARKS \_\_\_\_\_

DATE COMPLETED \_\_\_\_/\_\_\_\_/\_\_\_\_

FOR CUSTOMER USE

JOB RECEIVED:  
DATE \_\_\_\_\_  
TIME \_\_\_\_\_  
BY \_\_\_\_\_



```

                                AR INC
FILE.....

    IDENT.....
CHARGE NO..... DATE.....
MODE                                USER
..... LABEL..... RI..... BL.....
    FILE
REEL SEQ..... DRIVE
..OF... ..

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Figure 2-3. Tape Label

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